

City of Phoenix Engineering & Architectural Services Division Green Building Initiatives

For additional information, please visit <http://phoenix.gov/sustainability/>

For a copy of the LEED checklist, please visit <http://www.usgbc.org/>

Background

The City of Phoenix is committed to sustainable design and construction. The following timeline tracks the development of the program:

- ♻️ 2000: City General Plan encourages green building construction techniques
- ♻️ 2000 – 2001: Researched possible rating systems
- ♻️ 2002: Adopted USGBC LEED process
- ♻️ 2002 – 2005: Used pilot projects to gain experience
- ♻️ 2005: Pilot program led to informed decision on Green Bldg policy
- ♻️ 2005: Phoenix City Council adopts “Green Building” Guidelines:
Design and build City buildings to **LEED Certified** standard

LEED Indicators

- | | |
|------------------------|---------------------------------|
| ♻️ Sustainable Sites | ♻️ Materials & Resources |
| ♻️ Water Efficiency | ♻️ Indoor Environmental Quality |
| ♻️ Energy & Atmosphere | ♻️ Innovation in Design |

LEED Certified City Projects

Fire Station #50



- Opened December 13, 2003
- LEED Certified – April 2004
- 2.6 acre site, 13,500 sq ft building

Desert Broom Library



- Opened February 2005
- LEED Certified – November 2006
- 3 acre site, 15,000 sq ft building

LEED Registered City Buildings

Phoenix Convention Center West Building

- Opened July 2006
- LEED Silver
- 872,000 sq ft building

Glenrosa Service Center

- Opened September 2005
- LEED Gold
- 14,000 sq ft building

Cesar Chavez Library

- Opened August 2006
- LEED Silver
- 25,000 sq ft building

Nina Mason Pulliam Rio Salado Audubon Center

- Opened April 2009
- LEED Platinum
- 7,200 sq ft building

ASU Cronkite School of Journalism / KAET Channel 8

- Opened August 2008
- LEED Silver
- 206,000 sq ft building

Burton Barr Library

- Upgraded 2009
- LEED EB Silver

ASU School of Nursing and Health Innovation Phase II

- Opened August 2009
- LEED Gold
- 84,000 sq ft building

Fire Station #72

- Opened July 2010
- LEED Certification Pending
- 8,500 sq ft building

Sustainable Design Elements



Concrete Floors
(Desert Broom Library)



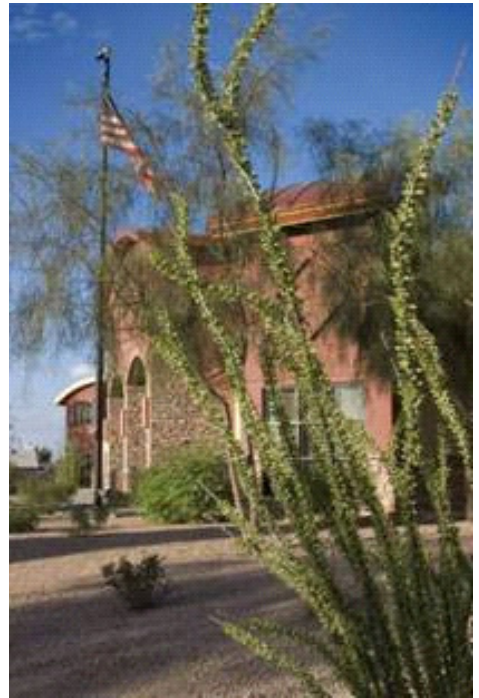
Low Emitting Materials
(Cesar Chavez Library)



Skylights
(Desert Broom Library)



Chairs made of recycled automotive
seatbelts and battery cases
(Phoenix Convention Center)



Water Efficient Landscaping
(Fire Station #50)



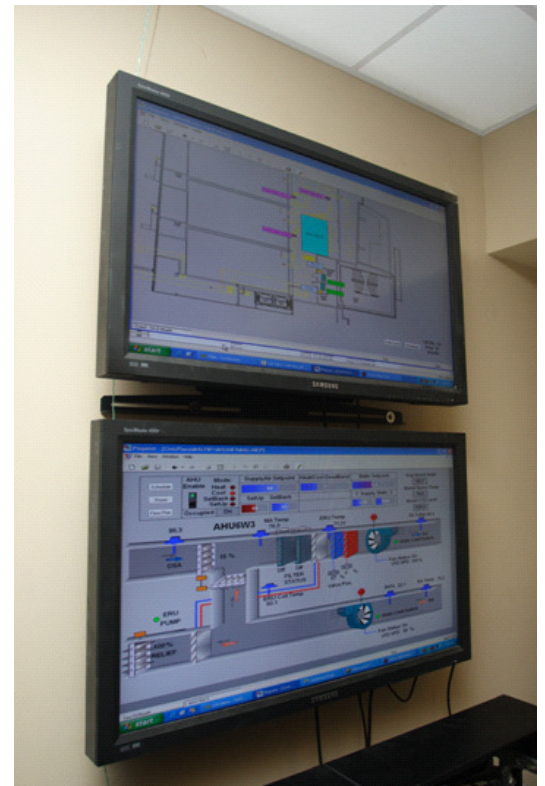
Stormwater Management
(Fire Station #50)



Use of daylight & views
(Cesar Chavez Library)



Reflectors used to prevent light pollution
(Phoenix Convention Center)



Energy Management System
(Phoenix Convention Center)

New Technologies



Photovoltaic Solar Panels



Pervious Concrete

Cool Roof Systems

Before Roof Treatment (178F)



After a Cool Roof was Installed (93F)



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